

SOSNENKO, Mikhail Nikolayevich; KONSTANTINOV, L.S., nauchnyy red.;
PROKOF'YEVA, L.G., red.; RAKOV, S.I., tekhn.red.

[Machine molder] Formovshchik mashinnoi formovki. Moskva,
Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1960. 201 p.
(MIRA 14:1)

(Machine molding (Founding))

LITVINENKO, Petr Antipovich; GRUSHKO, G.F., nauchnyy red.; PROKOF'YEVA,
L.G., red.; PEREDERIY, S.P., tekhn.red.

[Training of stokers of industrial and heating boiler rooms
operating on gas fuel; a textbook on methods] Podgotovka koche-
garov promyshlennykh i otopitel'nykh kotel'nykh, rabotaiushchikh
na gazovom toplive; metodicheskoe posobie. Moskva, Vses.uchebno-
pedagog.izd-vo Proftekhizdat, 1961. 199 p.

(MIRA 15:4)

(Boilers)

GEORGIYEVA, S.A., prof.; BELIKINA, N.V.; ZHELTOVA, O.P.; IVANOVSKAYA,
Ye.M.; PROKOF'YEVA, L.I.; PROSTYAKOVA, V.I.

[Manual for the practical study of normal physiology] Ucheb-
noe posobie k prakticheskim zaniatiyam po normal'noi fiziolo-
gii. Sost.S.A.Georgievoi i dr. Saratov, 1963. 148 p.
(MIRA 17:3)

1. Saratov. Meditsinskiy institut.

PROKOF'YEVA, L.I.

Characteristics of the temperature gradient in the surface
boundary layer according to data of measurements at a station
network. Trudy GGO no.174:175-186 '65. (MIRA 19:1)

BELIKINA, N.V.; PROKOF'YEVA, L.I.

Reactivity of the body and blood coagulability during surgery.
Trudy Sar. gos. med. inst. 26:26-28 '59. (MIRA 14:2)

1. Saratovskiy meditsinskiy institut, kafedra normal'noy
fiziologii (zav.prof. Ye.S. Ivanitskiy-Vasilenko).
(BLOOD—COAGULATION) (PROTHROMBIN) (OPERATIONS, SURGICAL)

LYAPINA, R.S.; PROKOF'YEVA, L.I.

Horizontal variation of temperature gradients and humidity.
Trudy GGO no.160:113-122 '64. (MIRA 17:9)

OGNEVA, T.A.; PROKOF'YEVA, L.I.; FAN, A.A.

Possibilities for using gradient observations at network
stations in determining the components of the heat balance
of the active surface. Trudy GGO no. 112:142-159 '63.
(MIRA 17:5)

PERNYAK, E.G.; PROKOF'YEVA, L.L.; STRUZER, L.R.

Some experimental data on systematic errors of gradient observations.
Trudy GGO no.160:103-107 '64. (MIRA 17:9)

IZAKSON, Khanaan Il'ich, inzh.; PESTRYAKOV, A.I., red.; PROKOF'YEVA,
L.N., tekhn. red.; TRUKHINA, O.N., tekhn.red.

[The SK-3 and SK-4 automotive combines] Samokhodnyy kombainy
SK-3 i SK-4. Izd.3., perer. Moskva, Sel'khozizdat, 1963.
382 p. (MIRA 17:1)

1. Glavnyy konstruktor Gosudarstvennogo spetsial'nogo kon-
struktorskogo byuro po samokhodnym kombaynam pri Taganrogskom
kombaynovom zavode(for Izakson).

PRISHCHEP, Leonid Georgiyevich; NIKITINA, V.M., red.; PROKOF'YEVA,
L.N., tekhn. red.

[Manual for rural electricians] Posobie dlia sel'skogo elek-
tromontera. Moskva, Sel'khozizdat, 1963. 486 p.

(MIRA 16:10)

(Electric engineering--Handbooks, manuals, etc.)
(Rural electrification)

KAZAKOV, G.A.; KNORRE, K.G.; PROKOF'YEVA, L.N.

Absolute age of Pre-Cambrian sedimentary rocks in the Olenek
highland of Eastern Siberia. Geokhimiia no.11:1313-1317 N '65.
(MIRA 19:1)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo
AN SSSR, Moskva. Submitted November 24, 1964.

YEMEL'YANOV, Ivan Abramovich, Geroy Sotsialisticheskogo Truda, deputat Verkhovnogo Soveta SSSR; LAPIDUS, M.A., red.; PROKOF'YEVA, L.H., tekhn.red.

[Raising the standards of agriculture] Povyshaem kul'turu zemledeliia. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 133 p.
(MIRA 13:9)

1. Predsedatel' kolkhoza imeni Timiryazeva Gor'kovskoy oblasti (for Yemel'yanov).
(Agriculture)

PROKOF'YEVA, Lidiya Ivanovna

Of the Activity (suktsindegidrazy) of the Heart Muscles of Man Concerning
Some Diseases and Action on its Medicinal Substances

Dissertation for candidate of a Medical Science degree. Chair of Pharmacology (head
Prof. K.A. Shmelev) Saratov Medical Institute, 1953

PROKOF'YEVA, L. I.

"Succino-Dehydrogenase Activity in the Human Heart Muscle During Diseases and the Action of Drugs on This Activity." Cand Med Sci, Saratov State Medical Inst, Saratov, 1953. (RZhBiol, No 6, Nov 54)

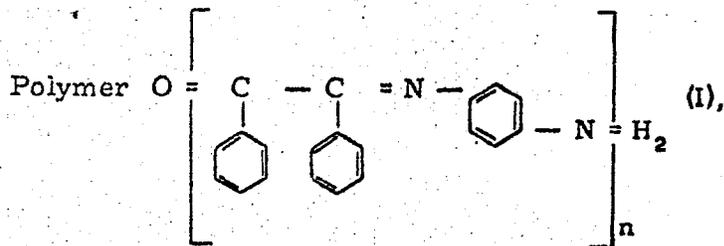
Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

PROKOF'YEVA, L. V.
AID Nr. 992-9 18 June

ELECTROPHYSICAL PROPERTIES OF POLYMERIC SCHIFF BASES OF BENZIL AND P-PHENYLENEDIAMINE (USSR)

Davydov, B. E., Yu. A. Popov, L. V. Prokof'yeva, and L. D. Rozenshtyn.
IN: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 4, Apr 1963, 759-761.
S/962/63/000/004/017/022



representative of a new class of organic semiconductors -- Schiff bases with a conjugated bond system -- has been synthesized, and its electric conduction and photoconduction have been studied, at the Institute of Petrochemical

Card 1/3

AID Nr. 992-9 18 June

ELECTROPHYSICAL PROPERTIES [Cont'd]

8/062/63/000/004/017/022

Synthesis and the Institute of Semiconductors, both Academy of Sciences USSR. Polymer I, prepared by bulk polycondensation of benzil with p-phenylenediamine at 250°C in an inert atmosphere, is dark brown and is soluble in dimethylformamide, phenol, and formic, acetic, and phosphoric acids. X-ray analysis showed it to have a crystalline structure. Its molecular weight is 900, corresponding to $n = 3$ or 4. The electric conductivity of molded specimens of I was measured in a vacuum (10^{-4} mm Hg). The temperature dependence of conductivity obeyed the exponential law. The energy of activation of conductivity ϵ_T and the preexponential factor σ_0 were found to be $\epsilon_T = 1.08$ eV, $\sigma_0 = 8.5 \cdot 10^{-4}$ ohm $^{-1}$ ·cm $^{-1}$ in the 90 to 115°C range and 0.45 eV, $4.0 \cdot 10^{-8}$ ohm $^{-1}$ ·cm $^{-1}$ in the 60 to 90°C range; conductivity at 20°C was $\sigma_{20} = 5 \cdot 10^{-12}$ ohm $^{-1}$ ·cm $^{-1}$. The photoconduction of thin films of I, deposited from dimethylformamide at 10^{-5} to 10^{-4} mm Hg onto quartz plates

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AID Nr. 992-9 18 June

ELECTROPHYSICAL PROPERTIES [Cont'd]

8/062/63/000/004/017/022

with platinum electrodes separated by a 1-mm gap, was induced by irradiation with white light. The photocurrent of I at 1000 to 1500 v/cm obeyed Ohm's law. The lux-ampere characteristic was described by $i \sim L^n$, where n was 0.5 to 0.6 in the experiment. The photocurrent was exponentially dependent on temperature: $i \sim e^{-\epsilon_{ph}/kT}$, where ϵ_{ph} the thermal energy of photocurrent activation, was 0.19 ev. The ϵ_{ph} was determined from reversible measurements in the 20 to 75°C range. Thus, the photoelectric properties of I were similar to those of previously studied organic semiconductors. However, the photocurrent kinetics of I was characterized by pronounced polarization phenomena.

[NI]

Card 3/3

DAVYDOV, B.E.; KRETSHEL', B.A.; POPOV, Yu.A.; PROKOF'YEVA, L.V.

Preparation and electrophysical properties of some poly-Schiff bases.
Vysokom.soed. 5 no.3:321-324 Mr '63. (MIRA 16'3)

1. Institut neftekhimicheskogo sinteza AN SSSR.
(Schiff bases)

DAVYDOV, B.E.; POPOV, Yu.A.; PROKOF'YEVA, L.V.; ROZENSHEYN, L.D.

Electrophysical properties of Schiff polybases formed by benzyl and
paraphenylenediamine. Izv. AN SSSR. Otd.khim. nauk no.4:760-762 Ap '63.
(MIRA 16:3)

1. Institut neftekhimicheskogo sinteza AN SSSR i Institut poluprovodnikov
AN SSSR.

(Schiff bases--Electric properties) (Polymerization)

PROKOF'YEVA, L.V.

AID Nr. 972-34 21 May

NEW POLYMERIC SCHIFF BASES AND THEIR ELECTROPHYSICAL PROPERTIES (USSR)

Davydov, B. E., B. A. Krentsel', Yu. A. Popov, and L. V. Prokof'yeva.
Vysokomolekulyarnyye soyedineniya, v. 5, no. 3, Mar 1963, 321-324.
S/190/63/005/003/004/024

New polymeric Schiff bases with conjugated bonds and with a hetero atom in the backbone have been synthesized by polycondensation of p-phenylenediamine (PPDA) with 2,3-butanedione (I), terephthalaldehyde (II), or glyoxal (III). The polycondensation products of PPDA and I (polymer $\Pi-1$), II ($\Pi-2$), or III ($\Pi-3$) are black, brown, or yellow powders, respectively. All three are soluble in sulfuric acid, and $\Pi-1$ and $\Pi-2$, in formic and phosphoric acids also. IR spectra indicate $=C-C=$ bonds and a 1,4-substituted benzene ring in $\Pi-1$ and $\Pi-3$ and a methyl radical in $\Pi-1$. X-ray analysis shows that $\Pi-1$ and $\Pi-2$ have a crystalline structure and that $\Pi-3$ is amorphous. $\Pi-3$ emits a single, narrow EPR signal indicating the delocalization of electrons in the system of

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AID Nr. 972-34 21 May

NEW POLYMERIC SCHIFF BASES [Cont'd]

S/190/63/005/003/004/024

conjugated bonds; $\Pi-1$ and $\Pi-2$ emit no EPR signals. Heat treatment of $\Pi-1$, $\Pi-2$, and $\Pi-3$ for 4 hrs resulted in the following losses in weight: at 250°C, 12.87, 3.56, and 20.9%; and at 300°C, 17.20, 5.16, and 27.40%, respectively. Heat-treated $\Pi-1$ and $\Pi-2$ emit a single, narrow EPR signal, probably because of further polycondensation, which results in a longer polyconjugation chain. The electrical conductivity (σ) of the synthesized substances is related to temperature by

$$\sigma = \sigma_0 e^{-\Delta E/2kT}$$

σ_0 varied from $1.8 \cdot 10^5 \text{ ohm}^{-1} \cdot \text{cm}^{-1}$ for $\Pi-2$ to $3.2 \cdot 10^{-4} \text{ ohm}^{-1} \cdot \text{cm}^{-1}$ for thermally treated $\Pi-3$; σ_{20} varied from $2.5 \cdot 10^{-11} \text{ ohm}^{-1} \cdot \text{cm}^{-1}$ for thermally treated $\Pi-3$ to $1.1 \cdot 10^{-10} \text{ ohm}^{-1} \cdot \text{cm}^{-1}$ for $\Pi-1$. The study was carried out at the Institute of Petrochemical Synthesis, Academy of Sciences USSR. [BAØ]

Card 2/2

AUTHORS:

Derevitskaya V., Prokof'yeva M.
Rogovin, Z.

79-28 3.35/81

TITLE:

Investigation of the Comparative Reactivity of the Hydroxyl Groups of Cellulose (Issledovaniye sravnitel'noy reaktsionnoy sposobnosti gidroksil'nykh grupp tsellyulozy). V. On the Distribution of the Methoxy Groups in the Partially Methylated Cellulose Which was Obtained in an Alkaline Medium With Different Concentrations of Alkali Liquor (V. O raspredelenii metoksil'nykh grupp v chastichno metilirovannoy tsellyuloze. poluchenny v shchelochnoy srede pri razlichnoy kontsentratsii shchelochi)

PERIODICAL:

Zhurnal Obshchey Khimii. 1958, Vol. 28, Nr 3, pp. 716-718 (USSR)

ABSTRACT:

In an earlier work by the authors (Ref. 1) they reported on the results of the investigation of the reactivity of the hydroxyl groups in cellulose on the action of an 18% alkali liquor, as well as on the subsequent methylation. In the present work the reaction with 8, 13 and 40% liquor was carried out. The alkaline cellulose was squeezed to one third of its weight in order to liberate it from adsorbed

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Investigation of the Comparative Reactivity of the Hydroxyl Groups of Cellulose. V. On the Distribution of the Methoxy Groups in the Partially Methylated Cellulose Which was Obtained in an Alkaline Medium With Different Concentrations of Alkali Liquor

79-28 3-35/61

alkali, then it was washed with dry isobutylalcohol and finally it was methylated. In some cases also the squeezed, but not yet washed alkalicellulose was methylated. The four tables give information on the methylation results of alkalized cellulose; they read: The distribution of the methoxy groups was investigated in the partially methylated cellulose which had been obtained by the action of methyl iodide on the alkalized cellulose with concentration of the liquor taken for the production of alkali cellulose (from 8-40%). The formation of the reaction of alkali cellulose and the subsequent methylation takes place at the expense of the secondary hydroxyl groups most markedly with a liquor concentration of 40%. In the methylation of the not washed alkali cellulose obtained by the action of a 40% alkali solution the authors obtained a methyl cellulose with a considerably greater content of alkali cellulose than is the case with methyl cellulose resulting from the methylation of a washed alkali cellulose; this is tentatively explained by an occurring alcoholysis of the alkali-

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Investigation of the Comparative Reactivity of the Hydroxyl Groups of Cellulose. V. On the Distribution of the Methoxy Groups in the Partially Methylated Cellulose Which was Obtained in an Alkaline Medium With Different Concentrations of Alkali Liquor 79-28-3-35/6:

cellulose. (Isobutylalcohol being used in the washing of the adsorbed alkali!).
There are 4 tables and 2 references, 1 of which is Soviet.

ASSOCIATION: Moskovskiy tekstil'nyy institut (Moscow Textile Institute)

SUBMITTED: January 17, 1957.

Card 3/3

NEGINA, G.; PROKOF'YEVA, M.

Useful initiative ("From the experience in the conversion of industry to the seven and six-hour workday in 1956-1958"; "Conversion of workers and employees in the machinery industry to a shorter workday. Reviewed by G.Nagina, M.Prokof'eva. Sots.trud 4 no.9:155-158 S '59. (MIRA 13:1)
(Hours of labor)

L 10706-67 EMT(m)/EMP(W)/EMP(t)/ETI IJP(c) JL/WB
ACC NR: AP6028224 (N) SOURCE CODE: UR/0308/66/000/006/0036/0037 45

AUTHOR: Prokof'yeva, M. (Chemical Engineer); Orlov, V. (Laboratory chief) 44

ORG: [Orlov] Laboratory of the Riga Ship-Repairing Plant (Laboratoriya Rizhskogo sudoremontnogo zavoda)

TITLE: Hydrogen embrittlement and loss of steel due to corrosion of steam boilers during acid flushing

SOURCE: Morskoy flot, no. 6, 1966, 36-37

TOPIC TAGS: corrosion, intergranular corrosion, steam boiler, aqueous solution, high temperature effect, hydrogen embrittlement, steel, HYDROCHLORIC ACID

ABSTRACT: Metal samples were treated with 5% hydrochloric acid solutions at 20 and 60°C to determine the effect of the solution on hydrogen embrittlement and loss of metal due to corrosion, as well as to supplement the inadequate data on this subject. The experimental results showed that 1) normalized metal exposed for 4 hrs to acid solutions at 20 C shows no decrease in plasticity when the temperature of the acid solution is raised to 60°C, 2) the decrease in plasticity of a metal treated with a solution of high temperature for 2 hrs is substantially greater than when treated with

Card 1/2

UDC: 621.18:66.067

L 10706-67

ACC NR: AP6028224

1 /
solution of normal temperature for 24 hrs, 3) the non-normalized metal as compared with the normalized metal shows a greater and faster decrease in plasticity with time, 4) samples treated for 24, 12, 8, 6, and 4 hrs with acid solutions at 60 C regain 74, 80, 86, 83, and 90% of their initial plasticity, respectively, while those treated at 20°C regain their entire initial plasticity, and 5) the loss of metal due to corrosion of steam boilers during acid flushing drastically increases with the rise in the temperature of the flushing acid from 20 to 60°C. It is suggested that the permissible loss of metal due to corrosion of steam boilers should be 23.4 g/m² for each acid flushing of the boiler. This standard used for 8 yrs led to efficient scavenging of steam boilers. (6)

SUB CODE: 11, 13/ SUBM DATE: none

Card 2/2 ^{6/10}

AUTHORS: Derevitskaya V., Prigor'nyaya M., Rogovin Z. 79-28-3-36/61

TITLE: Investigation of the Comparative Reactivity of the Hydroxylgroups of Cellulose (Issledovaniye sravnitel'noy reaktsionnoy sposobnosti gidroksil'nykh grupp tsellyulozy). VI. On the Distribution of the Methylation Products of the Na-Alcoholate of Cellulose (VI. O raspredelenii metoksil'nykh grupp v produktakh metilirovaniya Na-alkogol'yata tsellyulozy)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 3, pp. 718-721 (USSR)

ABSTRACT: Although the formation of the alcoholate of cellulose in liquid ammonia has been investigated by many scientists there has been no clear data on the reactivity of the cellulose hydroxyl groups in the reaction with metallic Na so far. The authors tackled this task. The synthesis of the alcoholate and the measurement of the velocity of the formation of hydrogen was carried out according to Shorygin (Ref. 2). The experiments were made with ground

Card 1/4

Investigation of the Comparative Reactivity of the Hydroxylgroups of Cellulose. VI. On the Distribution of the Methylation Products of the Na-Alcoholate of Cellulose.

79-28-3-36/61

sulfitocellulose and viscose rayon. The duration of the formation of each β -hydrogen atom by the action of Na on the cellulose with various concentrations of this body was determined. Depending on the quantity of the introduced sodium this velocity changed; the ratio between the duration of the formation of the first, second and third β -hydrogen atom ($\tau_1 : \tau_2 : \tau_3$) remained, however, practically constant (tables 1, 2). The summary reaction velocity and the ratio $\tau_1 : \tau_2 : \tau_3$ depend on the character of the cellulose preparation. The velocity of formation of the first β -hydrogen atom exceeds that of the third β -atom 16-18 fold in the action of sodium on viscose rayon; in the case of the ground cellulose 7-8 fold the different summary reaction velocity playing a rôle. The authors assume that the great difference in the velocities of formation of the β -hydrogen atoms in this reaction must be explained by the different reactivity of the hydroxylgroups of cellulose, for which reason the distribution of sodium in the elementary members of the monoalcoholate

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Investigation of the Comparative Reactivity of the Hydroxylgroups of Cellulose. VI. On the Distribution of the Methylation Products of the Na-Alcoholate of Cellulose

79-28.3-36/6.

of cellulose had to be determined. Therefore a methylation of the alcoholates was carried out at $\gamma = 100-200$ ($\gamma =$ content of alcoholate in relation to sodium) and the distribution of the methoxylgroups in the synthesized methylcelluloses was determined. Before this the ammonia was completely removed by blowing with dry nitrogen. The methylation took place with methyl iodide in the course of 12 hours, a methyl cellulose with a very small content of methoxylgroups (1,6 - 2%) having been obtained. By repeating the sodiumammonia treatment and the methylation this content was increased. The results of methylation show (table 3) that the formation of the alcoholate and the methylation take place exclusively at the expense of the secondary hydroxyl groups; the further reaction of the formation of the alcoholate at $\gamma > 100$ and its methylation takes place at the expense of the primary hydroxyl group of the cellulose. There are 3 tables and 5 references, 2 of which are Soviet.

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Investigation of the Comparative Reactivity of the
Hydroxylgroups of Cellulose. VI. On the Distribution
of the Methylation Products of the Na-Alcoholate of
Cellulose.

79-28 3-36/61

ASSOCIATION: Moskovskiy tekstil'nyy institut (Moscow Textile Institute)

SUBMITTED: January 17, 1957.

Card 4/4

AUTHORS: Derevitskaya, V., Prokof'yeva, M., Rogovin, Z. 79-28-5-58/69

TITLE: Investigation of the Comparative Reactivity of the Hydroxyl Groups of Cellulose (Issledovaniye sravnitel'noy reaktsionnoy sposobnosti gidroksil'nykh grupp tsellyulozy)
VII. On the Distribution of the Methoxyl Groups in the Partially Methylated Cellulose obtained from Cellulose Treated With Sodiumisoamylate (VII. O raspredelenii metoksil'nykh grupp, v chastichno metilirovannoy tsellyuloze, poluchennoy iz tsellyulozy, obrabotannoy izoamilatom natriya)

PERIODICAL: Zhurnal Obshechey Khimii, 1958, Vol. 28, Nr 5, pp. 1368-1371 (USSR)

ABSTRACT: Starting from the condition that in cellulose only one hydroxyl ~~group~~ with increased acidous properties exists, the formation of an alcoholate can be expected not only by the direct action of metallic sodium but also by means of a conversion with an alcoholate of ordinary alcohol.

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Investigation of the Comparative Reactivity of the Hydroxyl Groups of Cellulose.

79-28-5-58/69

VII. On the Distribution of the Methoxyl Groups in the Partially Methylated Cellulose obtained from Cellulose Treated With Sodiumisoamylate

The experiments by Rassow and Wadewitz (reference 1) to obtain a sodium alcoholate of cellulose this way were not successful probably because they carried out the reaction at a great excess of alcohol which had to lead to an alcoholysis of the formed cellulose alcoholate. In order to avoid this it was necessary to use a sodium alcoholate dissolved in inert solvents. In the present paper a sodium derivative of cellulose was obtained by the action of sodiumisoamylate on cellulose in an inert solvent. Cotton cellulose served as initial substance, which had earlier been treated with alkali and finally had been included (reference 3). In this conversion only that cellulose treated the alkaline way proved to be reactive. The alcoholate of cellulose experimentally produced in two different ways was then methylated with methyl iodide. In order to determine the distribution of the methoxyl groups in methylcelluloses

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Investigation of the Comparative Reactivity of the Hydroxyl Groups of Cellulose.

79-28-5-58/69

VII. On the Distribution of the Methoxyl Groups in the Partially Methylated Cellulose obtained from Cellulose and Treated With Sodiumisoamylate

the number of free primary hydroxyl groups was calculated by means of "tritylization" (metodom tritilirovaniya) (table 2). In the reaction of cellulose with Na-isoamylate and subsequent methylation the secondary hydroxyl groups have a greater reactivity than the others. The average number of methoxyl groups per secondary carbon atom exceeds that of the methoxyl groups at the primary carbon atom by the 2-5 times. There are 2 tables and 6 references, 2 of which are Soviet.

ASSOCIATION: Moskovskiy tekstil'nyy institut
(Moscow Textile Institute)

SUBMITTED: January 17, 1957

Card 3/3

PROKOF'YEVA, M., ROGOVIN, S. A., and DERLEVITSKAYA, V. A.

"Reactivity of the OH-groups of cellulose during methylation," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 23 Jan-2 Feb 57, Moscow, Textile Research Inst.

B-3,084,395

PROKOF' YEVA, M.G.

Seminars on diseases of waterfowl. Ptitsevodstvo 8 no. 7:47 J1 '58.
(MIRA 11:8)

1. Zaveduyushchaya otdelom izucheniya bolezney ptits Ukrainskogo nauchno-issledovatel'skogo instituta eksperimental'noy veterinarii.
(Ukraine--Ducks--Diseases and pests)
(Ukraine--Geese--Diseases and pests)

DOROSHO, M.N.; PROKOP'YEVA, M.I., kand.vet. nauk

Infectious diseases of the respiratory organs in ducks.
Ptitssevodstvo 8 no.8:23-29 Ag '58. (MIRA 11:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy veterinarii.
(Ducks--Diseases and pests) (Respiratory organs--Diseases)

ORLOV, V.A., inzh.; PROKOF'YEVA, M.I., inzh.

Electrochemical method of parkerizing plate steel. Sudostroenie
27 no.2:45-48 F '61. (MIRA 16:7)

(Plates, Iron and steel)
(Phosphate coating)

DOROSHKO, I.N., kand.vet.nauk; PROKOF'YEVA, M.I., kand.vet.nauk

Infectious respiratory diseases in young ducks. Veterinariia 35
no.9:65-69 S '58. (MIRA 11:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy
veterinariii.

(Respiratory organs--Diseases) (Ducks--Diseases and pests)

11800

28537

S/123/61/000/018/006/015
A004/A101

AUTHORS: Orlov, V.A., Prokof'yeva, M.I.

TITLE: Electrochemical method of parkerizing sheet steel.

PERIODICAL: Referativnyy zhurnal. Mashinostroyeniye, no. 18, 1961, 68, abstract 18B459 ("Sudostroyeniye", 1961, no. 2, 45 - 48)

TEXT: The authors describe the results of research work carried out at the Rizhskiy sudostroitel'no-sudoremontny zavod (Riga Ship Building and Repair Plant) to find a method of passivating sheet steel which would produce a protracted corrosion protection during the storage of the steel in the open air and preserve the phosphate film as primer under the lacquer and paint coating. A method of electrochemical d-c parkerizing was selected which yields a coating characterized by a finely crystalline structure, density, good adhesion and highly protective properties. Specimens from 6r .3 (St.3) sheet steel were parkerized under the following conditions: temperature 20°C, current density- 0.5 amp/dm², duration - 10 minutes. To check the mechanical properties of the phosphate layer, the sheets were subjected to working on bending rollers and on a rabbeting and bending machine. Based on these tests, the conclusions can be drawn that phosph-

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X

Electrochemical method of parkerizing sheet steel

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K004/A101

phate coatings obtained by the cathode electric parkerizing method together with the application of a drying oil will protect metals from corrosion for at least 8 months; the electric parkerizing process can be carried out in a wide temperature range (the baths can be mounted in the open air); phosphate coatings do not require special drying prior to applying the drying oil. The authors report on the organization at the Plant of a section for the chemical cleaning of sheet steel from dross and rust with subsequent electric parkerizing. There are 7 references.

N. Alexashev

[Abstracter's note: Complete translation.]

Card 2/2

PROKOF'YEVA, M. T.

Batyuk, I. F. and Prokof'yeva, M. T. "Disinfection methods for tuberculosis,"
Nauch. Trudy (Ukr. in-t eksperim. veterinarii), Vol. XIV, 1946, p. 153-62 -
Bibliog: 12 items

SO: U-2888 Letopis Zhurnal'nykh Statey, No. 1, 1949

PROKOF'YEVA, M. T.

25911. PROKOF'YEVA, M. T. Vospriimchivost' koz k iskusstvennomu zarazheniyu razlichnymi tipami vozбудitelya tuberkuleza. Mikrobiol. Zhurnal, t. XI, vyp. 2, 1949, S. 92-99.--Na ukr. yaz.--Rezyume na rus. yaz.

So. Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

PROKOF^yEVA, M. T., Cand. of Vet. Sci.
Ukrainian Institute of Experimental Veterinary Medicine
"Diagnosis of tuberculosis of goats with the aid of tuberculin"
SO: Veterinariya 26(10), 1949, p. 31

1. PROKOF'YEVA, M. T.: DOROSHKO, I. N.: ZOLOTOV, N. N.
2. USSR (600)
4. Antigens and Antibodies
7. Importance of local strains for increasing the sensibility of the pullorum disease antigen. Nauch.trudy, UIEV 18, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

1. PROKOF'YEVA M.T., DOROSHKO I.N.

2. USSR (600)

4. Turkeys-Diseases

7. Infectuous sinusitis in turkeys. Pittsevodstvo no.9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

PROKOF'YEVA, M.T., kandidat veterinarnykh nauk; DOROSHEKO, I.N., kandidat
veterinarnykh nauk.

Using a specific serum and vaccine to control paratyphoid fever
in poultry. Veterinariia 30 no.6:28-32 Je '53. (MLRA 6:5)

1. Ukrainskiy institut eksperimental'noy veterinarii.

PROKOF'YEVA, M. T.

USSR/Medicine - Veterinary, Infectious Sinusitis; Silver Nitrate and Protargol

Card 1/1

Author : Doroshko, I. N. and Prokof'yeva, M. T.

Title : On infectious sinusitis in turkeys and its treatment

Periodical : Veterinariya, 31, 43-47, Apr 1954

Abstract : The infectious type of sinusitis in poults is characterized by swelling of the sinuses under the eyes. One of the symptoms of the disease is a watery discharge from the nostrils. The organism causing infectious sinusitis is not known. Mortality rate is highest among poults between 40 and 80 days of age. Good results were obtained in the treatment of infectious sinusitis in turkeys by injecting 4% aqueous solution of silver nitrate and 8% solution of protargol after withdrawal of the exudate from the swollen sinuses. Poults recover within 6-8 days after single injection of these solutions. Single injection of 4% solution of fused silver nitrate into the infraorbital sinus, during the initial stages of infectious sinusitis, breaks up the development of the disease. Illustrations.

Institution : Ukrainian Institute of Experimental Veterinary Medicine

Submitted :

PROKOF'YEVA, M. T.

6863. Prokof'yeva, M. T. Chuma ptitsy. (Khar'kov, Kn. -- gaz., izd.,
1954) 1 l., slozh. v (8) s. 22sm. (Khar'k. obl. upr. sel'skogo khozyaystva).
2.000 ekz. Bespl. -- Na ukr. yaz. -- (55-2218) 619.5:616.999.12

SO: Knizhnaya Letopis' No. 6, 1955

PROKOF'YEVA, M. T. AND DOROSHKO, I. N.

"Virus hepatitis in ducklings."

Veterinariya Vol. 37, No. 3, 1960, p. 38

Prokof'yeva - Dr. Vet. Sci - Ukr. NII EV

PROKOF'YEVA, M. T., DOROSHKO, I. N., GUROVA, E. I., ZOLOTOV, N. N.

"About the role of a deep permanent litter in epizootiology of hen pullorum disease and tuberculosis."

Veterinariya, Vol. 37, No. 5, 1960, p. 28

Prokof'yeva - Dv. Vet. Sci.

Ukr. Sci. Res. Inst. Experimental Vet.

PROKOF'YEVA, M.T., doktor veterinarnykh nauk; DOROSHKO, I.N., kand.
veterinarnykh nauk

Virus hepatitis in ducklings. Veterinariia 37 no.3:38-40 Mr
'60. (MIRA 16:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy
veterinari. (Ducks--Diseases) (Hepatitis, Infectious)

PROKOF'YEVA, M.T., doktor veterinarnykh nauk; DOROSHKO, I.N., kand.
veterinarnykh nauk; GUROVA, Ye.I., kand.veterinarnykh nauk;
ZOLOTOV, N.N., veterinarnyye vrachi

Use of furazolidone in the pullorum disease and paratyphoid fever
of poultry. Veterinariia 38 no.1:41-46 Ja '61. (MIRA 15:4)

1. Ukrainskiy NIIEV. (Poultry—Diseases and pests)
(Oxazolidinone) (Pullorum disease)

BOYKO, A.A.; IVANOV, M.M.; PROKOF'YEVA, M.T.; FEDOTOV, B.N.

Visiting the veterinarians of the German Democratic Republic.
Veterinariia 39 no.6:78-83 Je '62 (MIRA 18:1)

PROKOF'YEVA, M.T., doktor veterin. nauk; GUROVA, Ye.I., kand. veterin.
nauk; TSIMOKH, P.F., kand. veterin. nauk

Viral influenza in ducklings. Veterinariia 40 no.10:
33-35 0'63. (MIRA 17:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'-
noy veterinarii.

PROKOF'YEVA, M.T., doktor veter. nauk; GUROVA, Ye.I., kand.veter. nauk; KIPRICH,
V.V., mladshiy nauchnyy sotrudnik

The PPLO antigen in the diagnosis of Mycoplasma infection in poultry
by serum drop agglutination reaction. Veterinariia no.12:60-63 D '63.
(MIRA 17:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy
veterinarii.

PROKOF'YEVA, M.T., doktor veterin. nauk; GUROVA, Ye.I., kand. veterin. nauk; KIPRICH, V.V., mladshiy nauchnyy sotrudnik; GERMAN, V.V., mladshiy nauchnyy sotrudnik

Mycoplasma infection in poultry and biological characteristics of its pathogen. Veterinariia 41 no.2:32-35 F '64.

(MIRA 17:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy veterinarii.

PROKOF'YEVA, M.T., doktor veter. nauk. HASKIN, V.F., aspirant

Hemagglutinative characteristics of the infectious
laryngotracheitis virus. Veterinariia 42 no.8:24-28 Ag
'65. (MIRA 18:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut
eksperimental'noy veterinarii.

BAKAY, A.F., aspirant; PROKOP'YEVA, M.T., doktor veter. nauk, nauchnyy
rukovoditel' raboty

Survival of poultry Mycoplasmas in deep litter kept unchanged
for a long period. Veterinariia 42 no.8:103-105 Ag '65.

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy
veterinariji. (MIRA 18:11)

BOYKO, A. A., IVANOV, M. M., PROKOF'YEVA, M. T. and FEDOTOV, B. N., At the
Conference of Veterinary Surgeons of the German Democratic Republic
Veterinariya, vol. 39, no. 6, June 1962 p. 78

PROKOF'YEVA, M. V.: Master Tech Sci (diss) -- "Investigation of the comparative reactivity of the hydroxyl groups in the basic chain of the macromolecule of cellulose in the formation of sodium derivatives of cellulose". Moscow, 1958. 12 pp (Min Higher Educ USSR, Moscow Textile Inst), 150 copies (KL, No 7, 1959, 125)

LIVSHITS, R.M.; ALACHEV, V.P.; PROKOF'YEVA, M.V.; ROGIVIN, Z.A.

Mechanism of the tetravalent cerium salt initiation of the graft copolymerization of cellulose with vinyl monomers. Vysokom. soed. 6 no.4:655-658 Ap '64. (MIRA 17:6)

1. Moskovskiy tekstil'nyy institut. Nauchno-issledovatel'skii institut sinteticheskikh smol.

MIRONOV, D.P.; KHIN, N.N.; ZHARKOV, V.V.; PROKOF'YEVA, M.V.;
SHULAYEV, N.P.

Preparation of butyric anhydride by the reaction of butyric acid
with acetic anhydride in a continuous fractionating column.
Zhur. prikl. khim. 38 no. 10:2309-2312 C 165. (MIRA 18:12)

1. Vladimírskiy nauchno-issledovatel'skiy institut sinteti-
cheskikh smol. Submitted Sept. 3, 1963.

PROKOF'YEVA, M.V.; RAFIKOV, S.R.; SUVOROV, B.V.

Interaction of aromatic acid nitriles with alcohols in the presence
of hydrogen chloride. Zhur.ob.khim. 32 no.4:1318-1323 Ap '62.
(MIRA 15:4)

1. Institut khimicheskikh nauk AN Kazakhskoy SSR.
(Nitriles) (Alcohols)

SHISHKINA, M.V.; PROKOF'YEVA, Ye.A.; PETROV, A.I.A.

Electron absorption spectra of some high molecular weight
aromatic hydrocarbons. Trudy Inst. nefti 14:187-197 '60.
(MIRA 14:5)

(Hydrocarbons--Spectra)

PROKOF'YEV, Yu. (g.Sarapul)

"Kama-2." Prom.koop. 14 no.1:6-7 Ja '60.
(Sarapul--Washing machines)

(MIRA 13:5)

PROKOP'YEVA, M.T. [Prokof'ieva, M.T.], doktor veterin.nauk; SATSYUK, B.P.
[Satsiuk, B.P.], otv. za vypusk

[Protect poultry from fowl plague] Oberihaite ptakhiv vid
zakhvoriuvannia na chumu. Kyiv, M-vo sil's'koho hospodarstva
URSR, 1958. 7 p. (MIRA 13:2)

1. Golovniy veterinarniy likar Veterinarnogo upravlinnya MSG
URSR (for Satsyuk).
(Poultry--Diseases and pests)

PROKOF'YEVA, M.T., doktor veterinarnykh nauk; DOROSHKO, I.N., kand.
veterinarnykh nauk

Infection of baby ducklings with virus hepatitis. Ptitsevod-
stvo 9 no.9:38-40 S '59. (MIRA 12:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'-
noy veterinarii.

(Ducks--Diseases and pests) (Hepatitis, Infectious)

PROKOF'YWA, M.F., doktor vetnauk: POKHIL, I.N., .vetnauk

Infectious conjunctivitis in chickens. *Veterinariya* 36 no. 1: 17-18
(1981) (NIR. 1:11)

1. Ukrains'ki nauchno-issledovetel's'ki institut zhivotno-vidruchnyy
veterinarii.

(Poultry--Diseases and pests)

USSR/Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi

R

Abs Jour : Ref Zhur .. Biol., No 19, 1958, No 88244

Author : Prokof'yeva M.T

Inst : Ukrainian Scientific Research Institute of Experimental Veterinary Medicine

Title : Using Antibiotics in Treating Paratyphoid in Water Birds

Orig Pub : Byul. nauchn-tekhn. inform. Ukr. n.-i. in-t eksperim. veterinarii, 1957, No 3, 29-31

Abstract : Synthomycin (I), levomyectin (II), and biomyein (III), were tested here. In tests performed, in vitro, III possessed the most beneficial bacteriostatic and bactericidal properties in relation to the basic causative agent of paratyphoid fever in water birds, which is *Salmonella typhimurium*. The properties of II and I proved to be somewhat less effective. It is demonstrated here that the antibiotics mentioned above are effective in controlling paratyphoid in water birds. In terms of prophylactic aims, up to 1-month-

Card : 1/2

USSR/Diseases of Farm Animals. Diseases Caused by Bacteria and
Fungi

R

Izv Jour : Ref Zhur - Biol., No 19, 1958, No 83244

old ducklings and goslings should be given I in 3-5 mg.
doses, and II and III in 2 mg doses at a time, twice daily
for 5 consecutive days. Ducklings and goslings of the same
age group, which have already contracted the disease, should
be given II and III in 3-10 mg doses, and I in 10-15 mg
doses intervally 3 times daily for 6 consecutive days. The
medicinal effectiveness of the preparations reaches 94
percent. -- I.Ye. Panchenko

Card : 1/1

13

PROKOF'YEVA, M.T.

Tom Newman International Prize. Veterinariia 36 no.1:93-94

(Poultry)

(Rewards (Prizes, etc.))

(MIRA 12:1)

USSR/Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi R

Abs Jour : Ref Zhur - Biol., No 19, 1958, No 88244

Author : Prokof'yeva M.E.

Inst : Ukrainian Scientific Research Institute of Experimental Veterinary Medicine

Title : Using Antibiotics in Treating Paratyphoid in Water Birds

Orig Pub : Byul. nauchn-tekhn. inform. Ukr. n.-i. in-t eksperim. veterinarii, 1957, No 3, 29-31

Abstract : Synthomycin (I), levomycetin (II), and biomycin (III), were tested here. In tests performed, in vitro, III possessed the most beneficial bacteriostatic and bactericidal properties in relation to the basic causative agent of paratyphoid fever in water birds, which is *Salmonella typhimurium*. The properties of II and I proved to be somewhat less effective. It is demonstrated here that the antibiotics mentioned above are effective in controlling paratyphoid in water birds. In terms of prophylactic aims, up to 1-month-

Card : 1/2

USSR/Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi R

Sbs Jour : Ref Zhur - Biol., No 19, 1958, No 88244

old ducklings and goslings should be given I in 3-5 mg. doses, and II and III in 2 mg doses at a time, twice daily for 5 consecutive days. Ducklings and goslings of the same age group, which have already contracted the disease, should be given II and III in 5-10 mg doses, and I in 10-15 mg doses internally 3 times daily for 6 consecutive days. The medicinal effectiveness of the preparations reaches 94 percent. -- I.Ye. Panchenko

Card : 1/1

FINKEL', A.G.; PROKOF'YEVA, N.I.; SVERDLOV, L.M.

Experimental and theoretical investigation of the absolute intensities of the infrared spectra of hydrocarbons in the gaseous phase.
Part 1. Opt. i spekt. 15 no.2:195-201 Ag '63. (MIRA 17:1)

PROKOF'YEVA, N.I.; SVERDLOV, L.M.

Calculation of absolute intensities and depolarization in the Raman spectra of methane and its substitution of isotopes in the gaseous phase. Opt. i spektr. 15 no.3:315-319 S '63.

Calculation of the electro-optical parameters of ethane and methane. (424-428)

Apropos of L.A. Gribov's article. (431) . (MIRA.16:10)

PROKOF'YEVA, N.I.; SVERDLOV, L.M.; SUSHCHINSKIY, M.M.

Calculation of the integral intensities and depolarization
in the Raman spectra of cyclohexane and deuterocyclohexane.
Opt. i spektr. 15 no.4:464-470 0 '63. (MIRA 16:11)

L 49778-65 EPF(c)/EWT(L)/EWT(m) Pr-4 IJP(c) RM
ACCESSION NR: AR5012237 UR/0058/65/000/003/D015/D015

SOURCE: Ref. zh. Fizika, Abs. 3D103

2/
13

AUTHORS: Borisov, M. G.; Prokof'yeva, N. I.; Sverdlov, L. M.; Tarasova, N. V.;
Finkel', A. G.

TITLE: Investigation of intensitie. of vibrational spectra of molecules of differ-
ent classes 4

CITED SOURCE: Tr. Komis. po spektroskopii. AN SSSR, vyp. 1, 1964, 199-203

TOPIC TAGS: vibrational spectrum, electro optical parameter, infrared spectrum,
spectral intensity, hydrocarbon molecule

TRANSLATION: The intensities and polarizations of vibrational spectra and the
electronic parameters were calculated for 26 molecules: CH₄, C₂H₂, C₂H₄, C₂H₆.

3 4 5 6 7 8 9 10 11 12

Card 1/2

L 49778-65

ACCESSION NR: AR5012237

experimental data on the intensities, obtained by the authors, were used for the calculations. C

SUB CODE: OP, OC

ENCL: 00

Card 2/2

PROKOF'YEVA. N.I.; SVERDLOV, L.M.

Calculation of the electrooptical parameters and absolute intensities
in the Raman spectra of gaseous ethane and hexadeuteroethane. Opt.
i spektr. 16 no.2:370-372 F '64. (MIRA 17:4)

KRAYNOV, Ye.P.; PROKCF'YEVA, N.I.; SVERDLOV, L.M.

Calculation and interpretation of the vibrational spectra of
naphthenes. Opt. i spektr. 16 no. 4:567-571 Ap '64.
(MIRA 17:5)

SOURCE: Optika i spektroskopiya, v. 17, no. 3, 1964, 374-380

TOPIC TAGS: Raman spectrum, line intensity, electro optical parameter, methane halide, deuterated compound, carbon tetrachloride, polarization

ABSTRACT: This is an extension of earlier work by the authors (Opt. i spektr. v. 13, 324, 1962; v. 15, 327, 1963; v. 15, 464, 1963; v. 16, 370, 1964) to compounds other than hydrocarbons, and particularly methane halides. To this end, the authors calculated the electro-optical parameters characterizing the C-H and C-Cl

Card 1/2

L 8705-65

ACCESSION NR: AP4044849

bonds, the integrated intensities, and the polarizations of the lines in the Raman spectra of chloroform, deuteriochloroform, and carbon tetrachloride. The data obtained previously in the first approximation of the valence-optical theory were employed. The calculation confirms the conclusion that it is essential to use the first approximation of the valence-optical theory in the calculation of the intensities in Raman spectra. The measurement procedure was described by the authors in Opt. i spektr. v. 15, 464, 1963. Analysis of the resultant system of electro-optical parameters for chloroform and deuteriochloroform leads also to the conclusion that the C-Cl bond in the chloroform molecule has no axial symmetry, and that on going from CHCl_3 to CCl_4 the values of the parameters

L 21180-65 ENT(1)/ENT(m)/EPF(c)/EEC(k)-2/ENP(j)/EEC(t) Pc-h/Pr-h/Pi-h AFNL/
ACCESSION NR: AP5003021 ASD(m)-3/AS(mp)-2/RAEM(a)/ S/0051/65/018/001/0033/0037
ESD(gs)/ESD(t) RM
AUTHOR: Sverdlov, L. M.; Prokof'yeva, N. I.

TITLE: Concerning the need for using the first approximation of the valence-optical theory in calculations of the electro-optical parameters, intensities, and depolarizations in Raman spectra of polyatomic molecules 2

SOURCE: Optika i spektroskopiya, v. 18, no. 1, 1965, 33-37

TOPIC TAGS: Raman spectrum, valence optical theory, electro-optical parameter, intensity, depolarization, polyatomic molecule

ABSTRACT: In view of the discrepancies between the experimental values of the electro-optical parameters and intensities in the Raman spectra of polyatomic molecules and the values calculated in the zeroth approximation of the valence

Card 1/2

L 21180-65
ACCESSION NR: AP5003021

4
intensities, and depolarizations of the lines in Raman spectra of polyatomic molecules must, as in infrared spectra, be calculated in the first approximation of the theory, with account taken of the interaction between the individual structural elements of the molecule.

ASSOCIATION: None

SUBMITTED: 29Dec63

ENCL: 00

SUB CODE: OP

NR REF SOV: 010

OTHER: 003

Card 2/2

PROKOF'YEVA, N.M.

Microelements in the waters of the Urup ore-bearing deposit.
Trudy NPI 128:97-105 '62. (MIRA 15:9)
(Urup Valley--Water--Composition)
(Urup Valley--Trace elements)

PROKOF'YEVA, N.M.

Artesian sodium chloride waters in the Urup region. Trudy NPI 196;73-86
'64. (MIRA 18:7)

PROKOF'YEV, N.M.

Comprehensive per-kilometer norms and regulations. Stroi.
truboprov. 8 no.12:32-33 D '63. (MIRA 17:4)

1. Trest Mosgazprovodstroy.

USSR/Diseases of Farm Animals - Diseases Caused by Viruses
and Rickettsiae.

R-2

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45418

Author : Prokof'yeva, M.T.

Inst : Ukrainian Scientific Research Institute of Experimental
Veterinary Medicine.

Title : Prophylaxis and Treatment of Paratyphoid in Pigeons with
Antibiotics.

Orig Pub : Byul. nauchno-tekhn. inform. Ukr. n.-i. in-t eksperim.
veterinariii, 1957, No 3, 32-33.

Abstract : It was demonstrated that biomyacin, levomycetin, and
synthomycin are effective in the prophylaxis of sponta-
neous paratyphoid and in the treatment of sick pigeons.
The antibiotics diluted with water were administered, per
os, thrice a day (synthomycin in doses of 15mg.,

Card 1/2

USSR/Diseases of Farm Animals - Diseases Caused by Viruses
and Rickettsiae.

R-2

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45418

levomycetin and biomycin in doses of 10 mg.) for 6 days.

Card 2/2

- 18 -

PROKOF'YEVA, N.T., kand.vet.nauk

Use of antibiotics in controlling paratyphoid fever in waterfowl.
Ptitsevodstvo 8 no.6:30-32 Je '58. (MIRA 11:6)

1.Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy
veterinarii.
(Paratyphoid fever) (Antibiotics) (Poultry--Diseases and pests)

Name: PROKOF'YEVA, M. T.

Dissertation: Specific prophylaxis and treatment of paratyphoid fever
in waterfowl

Degree: Doc Vet Sci

defended at
~~Appellation~~ Association: Min Agriculture USSR, Moscow Veterinary Acad

Publication
Defense Date, Place: 1956, Moscow

Source: Knizhnaya Letopis', No 51, 1956

PROKOF'YEVA, N., master-povar

When you like your job.... Obshchestv.pit. no.1:11-12 Ja
'62. (MIRA 15:4)

1. Zaveduyushchaya proizvodstvom stolovoy moskovskogo zavoda
"Elektrosvet".

(Cookery)

PROKOF'YEVA, N.A., inzh.-ekonom.

Indices of using capital assets in the construction industry.

Trudy MIEI no.9:343-354 '58.

(MIRA 11:6)

(Construction industry)

DROZDOV, Nikolay Gavrilovich; NIKULIN, Nikolay Vasil'yevich; PROKOP'YEVA,
N.B., red.; DORODNOVA, L.A., tekhn.red.

[Electric materials] Elektromaterialovedenie. Moskva, Vses.
uchebno-pedagog.izd-vo Proftekhizdat, 1960. 285 p.

(MIRA 14:2)

(Electric engineering--Materials)

L 17774-63

EPF(e)/EWT(m)/BDS Pr-4 RM/WW/MAY

ACCESSION NR: AP3005841

S/0051/63/015/002/0195/0201

AUTHOR: Finkel', A.G.; Prokof'yeva, N.I.; Sverdlov, L.M.

62
60

TITLE: Experimental and theoretical investigation of the absolute intensities of the bands in the infrared spectra of hydrocarbons in the gaseous phase. 1. Cyclopentane and cyclohexane.

SOURCE: Optika i spektroskopiya, v.15, no.2, 1963, 195-201

TOPIC TAGS: absorption band, infrared spectrum, band intensity, dipole moment cyclopentane, cyclohexane, ethane

ABSTRACT: Investigation of the absolute intensities of the infrared absorption bands of molecules in the vapor phase is of considerable interest in view of the light it can throw on molecular structure in the absence of intermolecular interactions (association, etc.). Owing to experimental difficulties, however, until recently few absolute intensities have been measured. The present work was devoted to measurement of the absolute intensities of the infrared bands of cyclopentane and cyclohexane in the gaseous state and to calculation, on the basis of the experimental data, of the electro-optical parameters characterizing the polar

Card 1/3 ✓

L 17774-63

ACCESSION NR: AP3005841

2

attributes of the C-H bonds in these cycloparaffins. The spectra were recorded photoelectrically on a modified IKS-6 infrared spectrometer. Special measures were taken to insure high stability of the detecting-recording system. Special cylindrical gas-absorption cells with thick glass walls were used for the experiments. The cell thicknesses (lengths) were 50.2, 101 and 301 mm. The intensity values were recorded with reference to 0 and 100% transmittance markers. The recorded and calculated intensity values are presented in a table. The integral absorption coefficients were evaluated by the extrapolation method of E.B. Wilson and B. Wells (J.Chem.Phys., 14, 578, 1946), which is generally admitted to be the most accurate and convenient method. The integral absorption coefficient versus pl (p = partial pressure of the gas and l = the length of the absorption cell) curves all have a long horizontal section (the curves tend to rise slightly in the region of small pl values). The formulas used for calculating the derivatives of the dipole moments are adduced. The observed intensity distributions in the cyclopentane and cyclohexane spectra are interpreted in the light of the calculated electro-optical parameters. The electro-optical parameters obtained for cyclohexane are compared with the parameters of ethane. "The authors are grateful to M. L. Kats and N. K. Sidorov for their interest in the work." Orig.art.has: 12 formulas, 3 figures and 1 table.

Card 2/12

LAMAN, Nikolay Konstantinovich; SHUKHARDIN, S.V., otv. red.;
PIROGOV, A. I., red.; PROKOF'YEVA, N.B., red. izd-va;
MAKUNI, Ye.V., ~~tekh.~~ red.

[Development of metal drawing techniques] Razvitie tekhniki volocheniia metallov. Moskva, Izd-vo AN SSSR, 1963.
233 p. (MIRA 16:10)

(Drawing (Metalwork))

MAMUKONOV, Akop Gasparovich, MEEN, I. I., otv. red.; PROKHAYEVA, N. F., red.;
RULINA, Yu. V., tekhn. red.

[Automatic control in oil fields] Avtomatizatsiia neftepromyslov.
Moskva, Izd-vo Akad. nauk SSSR, 1958. 65 p. (MIRA 11:8)
(Petroleum engineering)
(Automatic control)